

What is claimed is:

1. An optical output control circuit of a semiconductor laser comprising the semiconductor laser for supplying a modulating electric current and a bias electric current thereto, modulating electric current supplying means for supplying said modulating electric current on the basis of an inputted modulating signal, and bias electric current supplying means for supplying said bias electric current, wherein first temperature correcting means for increasing said modulating electric current with a rise in ambient temperature is arranged in said modulating electric current supplying means, and a second temperature correcting circuit for increasing said bias electric current with said rise in ambient temperature is arranged in said bias electric current supplying means.

2. The optical output control circuit of the semiconductor laser according to claim 1, wherein a feedback circuit negatively fed back by said bias electric current is arranged in said bias electric current supplying means.

3. The optical output control circuit of the semiconductor laser according to claim 1, wherein said first temperature correcting means is constructed by a first resistor circuit constructed by a first thermistor,

a first resistor connected in series to said first thermistor, and a second resistor connected in parallel to said first thermistor, and is also constructed by a third resistor connected in series to said first resistor 5 circuit, and said second temperature correcting means is constructed by a second resistor circuit constructed by a second thermistor, a fourth resistor connected in series to said second thermistor, and a fifth resistor connected in parallel to said second thermistor, and is also 10 constructed by a sixth resistor connected in series to said second resistor circuit, and said modulating signal is inputted between both terminals of said first temperature correcting means, and a direct current voltage is applied between both terminals of said second 15 temperature correcting means, and said modulating electric current is supplied by the modulating signal outputted between both ends of said third resistor, and said bias electric current is supplied by a divided voltage outputted between both ends of said sixth 20 resistor.

4. The optical output control circuit of the semiconductor laser according to claim 2, wherein said feedback circuit is constructed by a transistor for 25 flowing said bias electric current to said semiconductor laser, a seventh resistor connected between the emitter of said transistor and the ground, and an operational

amplifier interposed between said second temperature  
correcting means and the base of said transistor, and  
said divided voltage is applied to a non-inversion input  
terminal of said operational amplifier, and the emitter  
5 of said transistor is connected to an inversion input  
terminal of said operational amplifier.